

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA ☐	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation ☐	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date ☐	☐	Manufacturing Process	☐	OTHER : _____			
Misidentified ☐	☐	Past Due	☐				

Work Order ID 155608

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155608

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Item ID: D119-646-311

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Ground Handling

Start Date: 1/10/2017 Start Qty: 4.00

4

Cust Item ID:

Required Date: 1/17/2017 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130						4X		DAS 28 9-89	FEB 09 2017
Packaging	Memo	0.00						DAS 27 9-89	
Packaging	Identify and pack for shipping as per PPP D119-646-311 Location: <u>5A 636A</u> PPP rev: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140								DAS 21 9-89	FEB 10 2017
QC	Memo	0.07							
Quality Control									
								DAS 21 9-89	FEB 10 2017

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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
2AO TS 08-0									
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 155608

155608

Parent Item: D119-646-311

D119-646-311

Parent Item Name: Ground Handling

Start Date: 1/10/2017

Required Date: 1/17/2017

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP RevA: New issue DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3886-041		Manufactured	No			110	Each	22.0000	2	8			
D3886-041									**				
Lug Assembly													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST228				1					
				151001				1					
				ST525				20					
				153048				20					
				ST528				1					
				152469				1					
D2652		Manufactured	No			110	Each	362.0000	8	32			
D2652									**				
Bushing													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				FG				44					
				31985				44					
				ST009				318					
				150988				14					
				152866				304					

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Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____					

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Work Order ID: 155608

155608

Parent Item: D119-646-311

D119-646-311

Parent Item Name: Ground Handling

Start Date: 1/10/2017

Required Date: 1/17/2017

Start Qty: 4.00

Required Qty: 4.00

AN3C46A Purchased No
AN3C46A
Bolt

110 Each 174.0000 4 16

**

FEB 09 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location Loc Qty Loc Code

FG 10

122843 10

OVER002 50

m136181 50

ST346 114

m136055 114

NAS1149C0332R Purchased No
NAS1149C0332R
WASHER

110 Each 4,147.000 4 16

**

FEB 09 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location Loc Qty Loc Code

FP001 842

m136301 842

GA 44

m133284 44

ST260a 2500

m135408 0

m135766 500

m135908 200

m136042 500

m136444 500

m136537 800

ST266 761

m135466 761

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Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
QC / QA Coordinator Approval									

Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

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Work Order ID: 155608

155608

Parent Item: D119-646-311

D119-646-311

Parent Item Name: Ground Handling

Start Date: 1/10/2017

Required Date: 1/17/2017

Start Qty: 4.00

Required Qty: 4.00

MS21043-3

Purchased

No

110

Each

1,152.000

4

16

MS21043-3

Nut

**

FEB 09 2017

DAS
6 27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FG	80	
103691	80	
FP001	403	
m130673	11	
m136182	392	
GA	415	
m133990	27	
m136295	388	
ST302	185	
m135864	185	
ST304	69	
m131340	69	

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Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		

Item	Qty -013	Qty -014	Qty -113	Qty -114	Qty -213	Qty -214	Qty -043	Qty -143	Qty -153	Qty -243	Qty -253	Qty -311	Part Number	Description
70	8	8	8	8	8	8							AN960C516L	WASHER (OR NAS1149C0532R)
71	8	8	8	8	8	8							MS21043-3	NUT
72	12	12	12	12	12	12							MS21043-4	NUT
73	12	12	12	12	12	12							D2712	SET SCREW
74	16	16	16	16	16	16							D3672-7	WASHER
75	24	24	24	24	24	24							D3672-3	WASHER
76	8	8	8	8	8	8							D3672-7	WASHER
80	1	1	1	1	1	1							D3407-041	TOW RING
81	2	2	2	2	2	2							D3417-5	WASHER
82	1	1	1	1	1	1							D3456-1	WASHER
83	1	1	1	1	1	1							MS21043-4	NUT
90												2	D3886-041	LUG ASSEMBLY
91												8	D2652	BUSHING
92												4	AN3C46A	BOLT
93												4	AN960C10L	WASHER (OR NAS1149C0332R)
94												4	MS21043-3	NUT
100	3	3	3	3									AN3C45A	BOLT
101					(3)	(3)							AN3C50A	BOLT
102	3	3	3	3									AN3C45A	BOLT
103					(3)	(3)							AN3C46A	BOLT
104					(9)	(9)							D3904-1	WASHER
109	12	12	12	12	(3)	(3)							AN960C10L	WASHER (OR NAS1149C0332R)
110	6	6	6	6	(6)	(6)							MS21043-3	NUT
111	(3)	(3)	(3)	(3)	(3)	(3)							D5101-041	CROSSBOLT SPACER ASSY
112	(6)	(6)	(6)	(6)	(6)	(6)							D5101-3	INSERT
113	(6)	(6)	(6)	(6)	(6)	(6)							D5101-5	INSERT
114	(3)	(3)	(3)	(3)	(3)	(3)							AN4-46A	BOLT
115	(6)	(6)	(6)	(6)	(6)	(6)							NAS1149D0416J	WASHER
116	(3)	(3)	(3)	(3)	(3)	(3)							MS21043-4	NUT

() ITEMS IN BRACKETS ARE REF. ONLY AND DO NOT NEED TO BE INCLUDED WITH KIT.
AS THEY ARE ALREADY INSTALLED ON SKIDTUBE.

6.2 Float Skidtubes

Item	Qty -013	Qty -014	Qty -113	Qty -114	Qty -213	Qty -214	Qty -043	Qty -143	Qty -153	Qty -243	Qty -253	Qty -311	Part Number	Description
	X												D119-646-013	FLOAT SKIDTUBE INSTALLATION WITH WEARPADS, LH
		X											D119-646-014	FLOAT SKIDTUBE INSTALLATION WITH WEARPADS, RH
			X										D119-646-113	FLOAT SKIDTUBE INSTALLATION WITH FULL LENGTH WEARPLATES & WEARPADS, LH
				X									D119-646-114	FLOAT SKIDTUBE INSTALLATION WITH FULL LENGTH WEARPLATES & WEARPADS, RH
					X								D119-646-213	FLOAT SKIDTUBE INSTALLATION WITH TRAINING WEARPLATES, LH
						X							D119-646-214	FLOAT SKIDTUBE INSTALLATION WITH TRAINING WEARPLATES, RH
	1	1					X						D119-646-043	REPLACEMENT FLOAT SKIDTUBE WITH WEARPADS
			1	1				X					D119-646-143	REPLACEMENT FLOAT SKIDTUBE WITH FULL LENGTH WEARPLATES & WEARPADS
									X				D119-646-153	WEARPLATE KIT STANDARD SKIDTUBE
				1	1					X			D119-646-243	REPLACEMENT FLOAT SKIDTUBE WITH TRAINING WEARPLATES
											X		D119-646-253	TRAINING WEARPLATES FLOAT SKIDTUBE
	1	1	1	1	1	1						X	D119-646-311	GROUND HANDLING KIT
1							1						D3905-041	FLOAT SKIDTUBE ASSY. WITH WEARPAD
20								1					D3905-043	FLOAT SKIDTUBE ASSY. WITH WEARPLATE & WEARPAD
26									1				D3847-043	FWD WEARPLATE ASSY
27									1				D3847-045	CENTER WEARPLATE ASSY
28									1				D3847-049	AFT WEARPLATE ASSY
29									8				D3847-1	WEARPAD
30									1				D3847-11	WEARPAD
31									42				AN3C5A	BOLT
32									42				AN960C10L	WASHER (OR NAS1149C0332R)
40										1			D3905-045	FLOAT SKIDTUBE ASSY. TRAINING WEARPLATE
44											1		D3849-047	FWD TRAINING WEARPLATE ASSY
45											1		D3849-045	AFT TRAINING WEARPLATE ASSY
48											1		D3847-1	WEARPAD
49											1		D3847-11	WEARPAD
51											16		D3904-1	WASHER
52											8		AN3C46A	BOLT
53											8		MS21043-3	NUT
54											10		AN3C5A	BOLT
55											10		AN960C10L	WASHER (OR NAS1149C0332R)
60	2		2		2								D3883-1	SADDLE, OUTSIDE, LH
61		2		2		2							D3883-2	SADDLE, OUTSIDE, RH
62	2		2		2								D3884-1	SADDLE, INSIDE, LH
63		2		2		2							D3884-2	SADDLE, INSIDE, RH
64	16	16	16	16	16	16							D2652	BUSHING
65	8	8	8	8	8	8							AN3C50A	BOLT
66	12	12	12	12	12	12							AN4C6A	BOLT
67	8	8	8	8	8	8							MS21250-05006	BOLT
68	8	8	8	8	8	8							AN960C10L	WASHER (OR NAS1149C0332R)
69	24	24	24	24	24	24							AN960C416L	WASHER (OR NAS1149C0432R)

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Revision: C
Date: 13.08.16